| Form,F 📆 O-14        | 449                   | U.S. DEPARTI<br>PATENT A              | DEMARK OFFICE  | CASE NO. DIVA/241  | SERIAL                                    | NO.<br>09/733,8     | 08                     | 7              |
|----------------------|-----------------------|---------------------------------------|--|--|---|---------------------|------------------------|----------------|
| INFOR                | RMATION DISC          | CLOSURE                               | STATEMENT  | APPLICANT Armstrong et al.   |   |                     |                        |                |
|                      |                       |                                       |  | FILING DATE  | GROU                                      | JP                  |                        |                |
|                      | (Use several sh       | eets if neces                         | sary)  | 12/8/00  | 266                                       |                     |                        |                |
|                      |                       |                                       |  | 1270700  |   |                     |                        |                |
| •                    |                       |                                       | U.S. PATEN   | IT DOCUMENTS   |   |                     |                        |                |
| *EXAMINER<br>INITIAL | DOCUMENT              | NUMBER                                | DATE   | NAME   | CLASS                                     | SUBCLASS            | FILING<br>IF<br>APPROP | DATE           |
| aw                   | 5,579                 | ,527                                  | 11/26/96   | Chin et al.  | 395                                       | 800                 |                        |                |
| av                   | 5,671                 | ,377                                  | 9/23/97  | Bleidt et al.  | 395                                       | 328                 |                        |                |
| QU                   | 5,923                 | 3,891                                 | 7/13/99  | PE Armstrong   | 395                                       | 800.16              |                        |                |
| 90                   |                       | <del></del>                           |  | 9 2001   |   | MAR 1               |                        |                |
|                      |                       |                                       | MAR O  | 9 2001   |   | , (6)               | EIL                    | ,_             |
|                      |                       |                                       | MAR O  |  | >   | MAR 1               | 1,15                   |                |
| <del></del>          |                       |                                       | <b>X</b>   |  | 16  | Chnolos             | 200                    | ,,             |
|                      |                       |                                       | T SAD  | EMAD   |   | chnology Col        | 20                     | <del>/  </del> |
|                      |                       |                                       |  |  |   |                     | برخ (۲۲)<br>ایرخ       | Ji .           |
|                      |                       |                                       |  |  |   |                     | <b> </b>               |                |
|                      |                       |                                       |  |  |   |                     |                        |                |
|                      |                       |                                       |  |  |   |                     |                        |                |
|                      | <u> </u>              | •                                     | FOREIGN PAT  | TENT DOCUMENTS   |   |                     |                        |                |
|                      | DOCUMENT              | Γ NUMBER                              | DATE   | COUNTRY  | CLASS                                     | SUBCLASS            | TRANSLATION YES NO     |                |
|                      |                       |                                       |  |  |   |                     |                        |                |
|                      |                       |                                       |  |  |   |                     |                        |                |
|                      |                       |                                       |  |  |   |                     |                        |                |
|                      |                       |                                       |  |  |   |                     | <del> </del>           |                |
|                      |                       |                                       |  |  |   |                     | ļ                      |                |
|                      |                       |                                       |  |  |   | <u></u>             |                        |                |
|                      |                       | OTHER (                               | Including Author, 1                                      | Title, Date, Pertinent Pages   | s, Etc.)                                  |                     |                        |                |
|                      |                       |                                       |  |  |   |                     |                        |                |
|                      |                       | · · · · · · · · · · · · · · · · · · · |  |  |   | <u>.</u>            |                        | -              |
|                      |                       |                                       |  |  |   |                     |                        |                |
|                      |                       |                                       |  |  |   |                     |                        | l              |
|                      |                       |                                       |  |  |   |                     |                        | <del> ;</del>  |
|                      |                       |                                       |  |  |   |                     |                        |                |
|                      |                       |                                       | •  |  |   |                     |                        |                |
|                      |                       |                                       |  |  |   |                     |                        |                |
| EXAMINER             |                       | 1                                     | 0  | DATE CONSIDERED @  | 19/200                                    |                     |                        |                |
|                      | 154                   | uyeul                                 | X  | 9  | 17/600                                    | <del></del>         |                        |                |
|                      | *EXAMINER: Initial if | reference consideration               | lered, whether or not citat<br>not considered. Include c | tion is in conformance with MPEP 60<br>opy of this form with next communic | 09. Draw line through ation to applicant. | h citation if not i | n                      |                |

| APPLICANT   ATTEMENT   | Form PTO-1449                   |                 | U.S. DEPAR                    | NT OF COMMERCE               | CASE NO.<br>DIVA/241                |              | SERIAL NO.<br>09/733,808 |                    |                        |              |
|--|---------------------------------|-----------------|-------------------------------|------------------------------|-------------------------------------|--------------|--------------------------|--------------------|------------------------|--------------|
| PLING DATE   12/8/00   2661  | SHORMATION DISCLOSURE STATEMENT |                 |                               |                              |                                     |              |                          |                    |                        |              |
| U.S. PATENT DOCUMENTS  | 6                               | 心里              | human abanta if maga          | . •                          | FILING DATE                         | ·            | GROU                     | Р                  |                        |              |
| U.S. PATENT DOCUMENTS    DOCUMENT NUMBER   DATE   NAME   CLASS   SUBCLASS   FILING DATE   APPROPRIATE   CLASS   SUBCLASS   FILING DATE   CLASS   SUBCLASS   FILING DATE   CLASS   SUBCLASS   CLASS   C | , g?                            | S.VUSeige<br>Ž  | everai sneets ii nece         | 12/8/00                      |                                     | 2661         |                          |                    |                        |              |
| DOCUMENT NUMBER   DATE   NAME   CLASS   SUBCLASS   APPROPRIATE   | PATENT                          | A TRACE         |                               | U.S. PATEN                   | T DOCUMENTS                         |              |                          |                    |                        |              |
| Second   S   | *EXAMINER<br>INITIAL            |                 | OCUMENT NUMBER                | DATE                         | NAME                                | CI           | .ASS                     | SUBCLASS           | FILING<br>IF<br>APPROP | DATE         |
| S,630,067   S/13/97   Kindell et al.   395   200.09  | QV                              |                 | 5,592,612                     | 1/7/97                       | Birk                                | 3            | 395                      | 182.04             |                        |              |
| S,649,093   7/15/97   Hanko et al.   395   182.04  |                                 |                 | 5,630,067                     | 5/13/97                      | Kindell et al.                      | 3            | 395                      |                    |                        |              |
| S,699,503   12/16/97   Bolosky et al.   395   182.04   | 7 7                             |                 | 5,649,093                     | 7/15/97                      | Hanko et al.                        | 3            | 395                      |                    |                        |              |
| S,987,621 11/16/99 Duso et al. 714 4  QV 5,996,015 11/30/99 Day et al. 709 226    MAR 2  | 7                               |                 | 5,699,503                     | 12/16/97                     | Bolosky et al.                      | 3            | 395                      | 182.04             |                        |              |
| TOTHER (Including Author, Title, Date, Pertinent Pages, Etc.)  DATE CONSIDERED  DATE CONSID |                                 |                 | 5,987,621                     | 11/16/99                     | Duso et al.                         | 7            | 714                      |                    |                        |              |
| FOREIGN PATENT DOCUMENTS    DOCUMENT NUMBER   DATE   COUNTRY   CLASS   SUBCLASS   TRANSLATION   NO   |                                 |                 | 5,996,015                     | 11/30/99                     | Day et al.                          | 7            | 709                      | 226                |                        |              |
| FOREIGN PATENT DOCUMENTS    DOCUMENT NUMBER   DATE   COUNTRY   CLASS   SUBCLASS   TRANSLATION   NO   |                                 |                 |                               |                              |                                     | D,           |                          |                    |                        |              |
| FOREIGN PATENT DOCUMENTS    DOCUMENT NUMBER   DATE   COUNTRY   CLASS   SUBCLASS   TRANSLATION   NO   |                                 |                 |                               |                              |                                     | 1/2          | CE                       | 1/1/2              |                        |              |
| FOREIGN PATENT DOCUMENTS    DOCUMENT NUMBER   DATE   COUNTRY   CLASS   SUBCLASS   TRANSLATION   NO   |                                 |                 |                               |                              |                                     | MAR          | 2                        |                    |                        |              |
| FOREIGN PATENT DOCUMENTS    DOCUMENT NUMBER   DATE   COUNTRY   CLASS   SUBCLASS   TRANSLATION   NO   |                                 |                 |                               |                              | 70                                  | echnolos     | - σ                      | 20 <sub>01_</sub>  |                        |              |
| DOCUMENT NUMBER  DATE  COUNTRY  CLASS  SUBCLASS  TRANSLATION YES 3 NO  OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)  EXAMINER  DATE CONSIDERED  199/2004  STANNINED: Initial Medianance considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in   |                                 |                 |                               |                              |                                     | 109)         | V Cente                  | <sup>9</sup> r 20- |                        |              |
| OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)  EXAMINER  DATE CONSIDERED  199/2004  *EXAMINED. Initial Verference considered, whether or not citation is in conformance with MPEP 609. Draw line through distation if not in  |                                 | <u>.</u>        |                               | FOREIGN PAT                  | TENT DOCUMENTS                      |              |                          | ~ 0 <i>0</i> 7 °   |                        |              |
| EXAMINER DATE CONSIDERED 9/9/2004 *EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in  |                                 | DOCUMENT NUMBER |                               | DATE                         | COUNTRY                             | CI           | LASS                     | SUBCLASS           | TRANS                  | LATION<br>NO |
| EXAMINER DATE CONSIDERED 9/9/2004 *EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in  |                                 |                 |                               |                              |                                     |              |                          |                    |                        |              |
| EXAMINER DATE CONSIDERED 9/9/2004 *EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in  |                                 |                 |                               |                              |                                     |              |                          |                    |                        |              |
| EXAMINER DATE CONSIDERED 9/9/2004 *EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in  | _                               |                 |                               |                              |                                     |              |                          |                    |                        |              |
| EXAMINER DATE CONSIDERED 9/9/2004 *EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in  |                                 |                 |                               |                              |                                     |              |                          |                    |                        |              |
| EXAMINER DATE CONSIDERED 9/9/2004 *EXAMINER: Initial freference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in   |                                 |                 | <u> </u>                      |                              |                                     |              |                          |                    |                        |              |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in  |                                 | •               | OTHER                         | (Including Author, 1         | Title, Date, Pertinent Pages,       | Etc.)        |                          |                    |                        |              |
| *EVAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in  |                                 |                 |                               |                              |                                     |              |                          |                    |                        |              |
| *EVAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in  |                                 |                 | <del></del>                   |                              |                                     |              |                          |                    | _                      |              |
| *EVAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in  |                                 |                 |                               |                              |                                     |              |                          |                    | _                      |              |
| *EVAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in  |                                 | -               |                               |                              |                                     |              | ····                     | ·                  |                        |              |
| *EVAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in  |                                 |                 |                               | - <u></u>                    |                                     |              |                          |                    |                        |              |
| *EVAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in  |                                 |                 |                               |                              |                                     |              |                          |                    |                        |              |
| *EVAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in  |                                 |                 |                               |                              |                                     |              |                          |                    |                        |              |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in  | EXAMINER                        |                 | Suylu (                       |                              | DATE CONSIDERED 9                   | 19/2         | 200                      | 4                  | <u>-</u>               |              |
|  | -                               | *EXAMINI        | ER: Initial if reference cons | idered, whether or not citat | ion is in conformance with MPEP 609 | 9. Draw line | through                  |                    | 1                      |              |